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REMARKS

Claims 1-3 and 5-11 are pending in the instant application. Claims 1-3 and 5-11 have been rejected by the Examiner. The Applicants cordially thank the Examiner for the opportunity to discuss the claim amendment reflected in claim 1 via teleconference on June 12, 2006. The Applicants submit that claims 1-3 and 5-11 are in condition for allowance and respectfully requests reconsideration and withdrawal of the outstanding rejections. No new matter has been entered.

Claim Rejections Under 35 USC § 102

Claims 1-3 and 5-11 stand rejected under 35 U.S.C. §102(e) as being anticipated by Weng (U.S. Patent No. 6,317,347). The Examiner has considered the Applicants' argument with respect to independent claims 1 and 5 as being patentable over Weng, but has concluded them unpersuasive. The Examiner states that Weng teaches the current sensor is connected to the secondary coil of the transformer (see FIGS. 3-5; Col. 4, lines 13-65) and senses a current in the secondary coil of the transformer (FIGS. 3, 5 and 6; Col. 4, lines 1-65; Col. 6, lines 5-39).

More specifically, with regard to independent claim 1, the Examiner alleges, *inter alia*, that Weng discloses "the electricity unit supplying unit comprises a transformer (245 in FIG. 5) including a primary coil (245a) and a secondary coil (245b) and applying the voltage induced in the secondary coil to the light source (see FIGS. 3-5; Col. 4, lines 13-65) and (FIG. 5; Col. 4, lines 47-67; Col. 6, lines 5-34) and; the current sensor is connected to the secondary coil of the transformer (see FIGS. 3-5; Col. 4, lines 13-65) and senses a current in the secondary coil of the transformer. (FIGS. 3, 5-6; Col. 4, lines 1-65; Col. 6, lines 5-39)."

On the contrary, it is respectfully submitted that Fig. 3 of Weng teaches a current sensor (145) connected to a secondary coil (125b) of a transformer (125), but a secondary coil of a different transformer connected to the light source represented as a resistor or load in FIG. 3 of Weng. Further, FIG. 5 of Weng relied upon by the Examiner respectfully teaches a transformer (245) having a secondary coil (245b) connected to a light source represented as a load (250), but does not disclose a current sensor at all, and certainly not one connected to the secondary coil (245b) connected to the light source (250).

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Weng does not teach or suggest wherein the electricity supplying unit comprises a transformer including a primary coil and a secondary coil and applies a voltage induced in the secondary coil to the light source; wherein the current sensor is DIRECTLY connected to the secondary coil of the transformer and senses a current in the secondary coil of the transformer; and wherein the light source is DIRECTLY connected to the secondary coil, as recited in claim 1.

With regard to the remaining independent claim 5, the Examiner alleges that Weng discloses "an oscillator generating an AC voltage based on the input voltage from the switching unit and supplies the generated AC voltage to the primary coil of transformer (FIGS. 3, 5-6; Col. 5, line 42 – Col. 6, line 39); wherein the current sensor (see FIGS. 3-5; Col. 4, lines 13-65) is connected to the oscillator and senses a current in the oscillator (see FIGS. 3-5; Col. 4, lines 13-65; FIG. 6; Col. 5 line 42- Col. 6, line 39)."

On the contrary, it is respectfully submitted that neither FIGS. 3-6, nor the specification of Weng relied on by the Examiner disclose an oscillator. Likewise, only the prior art current feed inverter of FIG. 3 discloses a current sensor, although it is not connected to any oscillator as stated by the Examiner.

Weng does not teach or suggest wherein the electricity supplying unit comprises a transformer including a primary coil and a secondary coil and applies a voltage induced in the secondary coil to the light source . . . ; and an oscillator generating an AC voltage based on the input voltage from the switching unit and supplies the generated AC voltage to the primary coil of the transformer; wherein the current sensor is connected to the oscillator and senses a current in the oscillator, as recited in claim 5.

It is respectfully submitted that further amendment is unnecessary with respect to claim 5 and respectfully submit that amended independent claim 1 and independent claim 5 define over the prior art of record. Therefore, it is respectfully submitted that independent claims 1 and 5, including claims depending therefrom, i.e., claims 2, 3 and 5-11, define over Weng.

Accordingly, it is respectfully requested that the rejection to claims 1-3 and 5-11 under §102 be withdrawn and allow the same to issue.

CONCLUSION

It is believed that the foregoing amendments and remarks fully comply with the Office Action and that the claims herein should now be allowable to Applicants. Accordingly, reconsideration and allowance is requested. It is submitted that the foregoing amendments and remarks should render the case in condition for allowance.

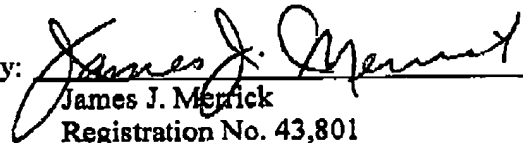
Accordingly, as the cited references neither anticipate nor render obvious that which the applicant deems to be the invention, it is respectfully requested that claims 1-3 and 5-11 be passed to issue.

If there are any additional charges with respect to this Amendment or otherwise, please charge them to Deposit Account No. 06-1130.

Respectfully submitted,

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Date: July 7, 2006